

SECURABLE CORNER SURVEILLANCE UNIT WITH DUAL WINDOWS

CLAIMS

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I Claim:

1. A securable corner surveillance unit comprising:

a) a housing adapted for snug mounting in an upper corner of a room, the housing having a top surface for mounting against a ceiling and a left back surface and a right back surface for mounting against a left and right wall respectively;

b) a front perimeter portion in the housing joining a top edge on the top surface, a left edge on the left back surface, and a right edge on the right back surface;

c) a front plate within the front perimeter portion, the front plate having at least one surveillance window mounted in the front plate;

in which the top surface has an angle of slightly greater than 90 degrees with respect to a back edge formed by the meeting of the left back surface and the right back surface, and the left back surface has an angle of slightly greater than 90 degrees with respect to the right back surface.

2. The securable corner surveillance unit of Claim 1, in which the top surface has an angle between 91 and 95 degrees with respect to the back edge formed by the meeting of the left back surface and the right back surface.

3. The securable corner surveillance unit of Claim 1, in which the left back surface has an angle between 91 and 95 degrees with respect to the right back surface.

4. The securable corner surveillance unit of Claim 1, in which the top surface has an angle of 93 degrees with respect to the back edge formed by the meeting of the left back surface and the right back surface.

5. The securable corner surveillance unit of Claim 1, in which the left back surface has an angle of 93 degrees with respect to the right back surface.

6. The securable corner surveillance unit of Claim 4, in which the left back surface has an angle 93 degrees with respect to the right back surface.

7. The securable corner surveillance unit of Claim 1, in which the front plate has a camera window and an illuminator window, the camera window being a transparent cover for a camera compartment within the housing, the illuminator window being a transparent cover for an illuminator compartment within the housing, the camera compartment and the

illuminator compartment being separated such that light from the illuminator compartment reaches the camera compartment only through the camera window by means of a light-tight partition between the camera compartment and the illuminator compartment.

8. The securable corner surveillance unit of Claim 1, in which the front plate is detachable mounted flush with the front perimeter portion of the housing.

9. The securable corner surveillance unit of Claim 8, in which the front plate is detachable from the housing by unscrewing security screws that can be unscrewed only by means of a special tool.

10. The A securable corner surveillance unit of Claim 1, in which comprising:

a) a housing adapted for snug mounting in an upper corner of a room, the housing having a top surface for mounting against a ceiling and a left back surface and a right back surface for mounting against a left and right wall respectively;

b) a front perimeter portion in the housing joining a top edge on the top surface, a left edge on the left back surface, and a right edge on the right back surface;

c) a front plate within the front perimeter portion, the front plate having at least one surveillance window mounted in the front plate;

in which the top surface has an angle of slightly greater than 90 degrees with respect to a back edge formed by the meeting of the left back surface and the right back surface, and the left back surface has an angle of slightly greater than 90 degrees with respect to the right back surface, and
the housing is substantially a truncated tetrahedron, having left and right top side facets, a bottom facet, and an intermediate rear facet, formed respectively by sealed truncations of corners that would otherwise be formed by extension of top, left, right, and front surfaces of the unit.

11. The securable corner surveillance unit of Claim 1, in which the top left and right facets and the bottom facet are obtusely angled from the front face to preclude gripping of any of the facets and an adjacent portion of the front face.

12. The securable corner surveillance unit of Claim 1, in which there is additionally a rear facet formed by a sealed truncation of a rear edge that would otherwise be formed by an extension of the left and right surfaces of the unit.

13. The securable corner surveillance unit of Claim 1, in which at least one surveillance camera is mounted in a camera compartment within the housing.

14. The securable corner surveillance unit of Claim 13, in which the camera is fitted with a wide angle lens that gives a field of vision of at least 90 degrees in horizontal and in vertical planes.

15. The securable corner surveillance unit of Claim 1, in which an illuminator is mounted within an illuminator compartment within the housing.

16. The securable corner surveillance unit of Claim 15, in which the illuminator comprises a bank of infrared light emitting diodes.

17. The securable corner surveillance unit of Claim 17, in which at least one rear portion of the unit has an aperture through which a power cord for the illuminator and a video output cord can be strung.

18. The securable corner surveillance unit of Claim 1, in which the front plate is at an angle between 40 and 50 degrees with respect to the top surface of the housing.

19. The securable corner surveillance unit of Claim 1, in which the front plate is at an angle of substantially 45 degrees with respect to the top surface of the housing.

20. The securable corner surveillance unit of Claim 1, in which the housing is made of strong light metal and the windows are made from impact-resistant transparent material

other than glass.

21. The securable corner surveillance unit of Claim + 11, in which:

- a) the top surface has an angle of 93 degrees with respect to the back edge formed by the meeting of the left back surface and the right back surface;
- b) the left back surface has an angle of 93 degrees with respect to the right back surface;
- c) the front plate has a camera window and an illuminator window, the camera window being a transparent cover for a camera compartment within the housing, the illuminator window being a transparent cover for an illuminator compartment within the housing, the camera compartment and the illuminator compartment being separated such that light from the illuminator compartment reaches the camera compartment only through the camera window by means of a light-tight partition between the camera compartment and the illuminator compartment;
- d) the front plate is detachable mounted flush with the front perimeter portion;
- ~~e) the housing is substantially a truncated tetrahedron, having left and right top side facets; a bottom facet, and an intermediate rear facet, formed respectively by scaled truncations of corners that would otherwise be formed by extension of top, left, right, and front surfaces~~

~~of the unit, and in which there is additionally a rear facet formed by a scaled truncation of
a rear edge that would otherwise be formed by an extension of the left and right surfaces
of the unit, the left and right top side facets and the bottom facet being obtusely angled
from the front face to preclude gripping of any of the facets and an adjacent portion of the
front face.~~

fe) at least one surveillance camera is mounted in a camera compartment within the housing, the camera being fitted with a wide angle lens that gives a field of vision of at least 90 degrees in horizontal and in vertical planes.

gf) an illuminator is mounted within an illuminator compartment within the housing, the illuminator comprising a bank of infrared light emitting diodes and heat-sink

hg) the front plate is at an angle of substantially 45 degrees with respect to the top surface of the housing.

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b) a front perimeter portion in the housing joining a top edge on the top surface, a left edge on the left back surface, and a right edge on the right back surface;

c) a front plate within the front perimeter portion, the front plate having at least one surveillance window mounted in the front plate;

in which the top surface has an angle of slightly greater than 90 degrees with respect to a back edge formed by the meeting of the left back surface and the right back surface, and the left back surface has an angle of slightly greater than 90 degrees with respect to the right back surface.

2. The securable corner surveillance unit of Claim 1, in which the top surface has an angle between 91 and 95 degrees with respect to the back edge formed by the meeting of the left back surface and the right back surface.

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7. The securable corner surveillance unit of Claim 1, in which the front plate has a camera window and an illuminator window, the camera window being a transparent cover for a camera compartment within the housing, the illuminator window being a transparent cover for an illuminator compartment within the housing, the camera compartment and the

illuminator compartment being separated such that light from the illuminator compartment reaches the camera compartment only through the camera window by means of a light-tight partition between the camera compartment and the illuminator compartment.

8. The securable corner surveillance unit of Claim 1, in which the front plate is detachable mounted flush with the front perimeter portion of the housing.

9. The securable corner surveillance unit of Claim 8, in which the front plate is detachable from the housing by unscrewing security screws that can be unscrewed only by means of a special tool.

10. A securable corner surveillance unit comprising:

a) a housing adapted for snug mounting in an upper corner of a room, the housing having a top surface for mounting against a ceiling and a left back surface and a right back surface for mounting against a left and right wall respectively;

b) a front perimeter portion in the housing joining a top edge on the top surface, a left edge on the left back surface, and a right edge on the right back surface;

c) a front plate within the front perimeter portion, the front plate having at least one surveillance window mounted in the front plate;

in which the top surface has an angle of slightly greater than 90 degrees with respect to a back edge formed by the meeting of the left back surface and the right back surface, the left back surface has an angle of slightly greater than 90 degrees with respect to the right back surface, and the housing is substantially a truncated tetrahedron, having left and right top side facets, a bottom facet, and an intermediate rear facet, formed respectively by sealed truncations of corners that would otherwise be formed by extension of top, left, right, and front surfaces of the unit.

11. The securable corner surveillance unit of Claim 10, in which the top left and right facets and the bottom facet are obtusely angled from the front face to preclude gripping of any of the facets and an adjacent portion of the front face.

12. The securable corner surveillance unit of Claim 1, in which there is additionally a rear facet formed by a sealed truncation of a rear edge that would otherwise be formed by an extension of the left and right surfaces of the unit.

13. The securable corner surveillance unit of Claim 1, in which at least one surveillance camera is mounted in a camera compartment within the housing.

14. The securable corner surveillance unit of Claim 13, in which the camera is fitted with a wide angle lens that gives a field of vision of at least 90 degrees in horizontal and in vertical planes.

15. The securable corner surveillance unit of Claim 1, in which an illuminator is mounted within an illuminator compartment within the housing.

16. The securable corner surveillance unit of Claim 15, in which the illuminator comprises a bank of infrared light emitting diodes.

17. The securable corner surveillance unit of Claim 17, in which at least one rear portion of the unit has an aperture through which a power cord for the illuminator and a video output cord can be strung.

18. The securable corner surveillance unit of Claim 1, in which the front plate is at an angle between 40 and 50 degrees with respect to the top surface of the housing.

19. The securable corner surveillance unit of Claim 1, in which the front plate is at an angle of substantially 45 degrees with respect to the top surface of the housing.

20. The securable corner surveillance unit of Claim 1, in which the housing is made of strong light metal and the windows are made from impact-resistant transparent material other than glass.

21. The securable corner surveillance unit of Claim 11, in which:

- a) the top surface has an angle of 93 degrees with respect to the back edge formed by the meeting of the left back surface and the right back surface;
- b) the left back surface has an angle of 93 degrees with respect to the right back surface;
- c) the front plate has a camera window and an illuminator window, the camera window being a transparent cover for a camera compartment within the housing, the illuminator window being a transparent cover for an illuminator compartment within the housing, the camera compartment and the illuminator compartment being separated such that light from the illuminator compartment reaches the camera compartment only through the camera window by means of a light-tight partition between the camera compartment and the illuminator compartment;
- d) the front plate is detachable mounted flush with the front perimeter portion;
- e) at least one surveillance camera is mounted in a camera compartment within the housing, the camera being fitted with a wide angle lens that gives a field of vision of at least 90 degrees in horizontal and in vertical planes.
- f) an illuminator is mounted within an illuminator compartment within the housing, the illuminator comprising a bank of infrared light emitting diodes and heat-sink

g) the front plate is at an angle of substantially 45 degrees with respect to the top surface of the housing.